

## Multi-channel connection

Maximum: 85

## High capacity and high speed data transmission

〈Data transfer speed〉  
EtherNet/IP:10/100Mbps  
PROFINET:100Mbps

## Expanded fieldbus compatibility

Additional digital gauge interface options for popular PLC protocols

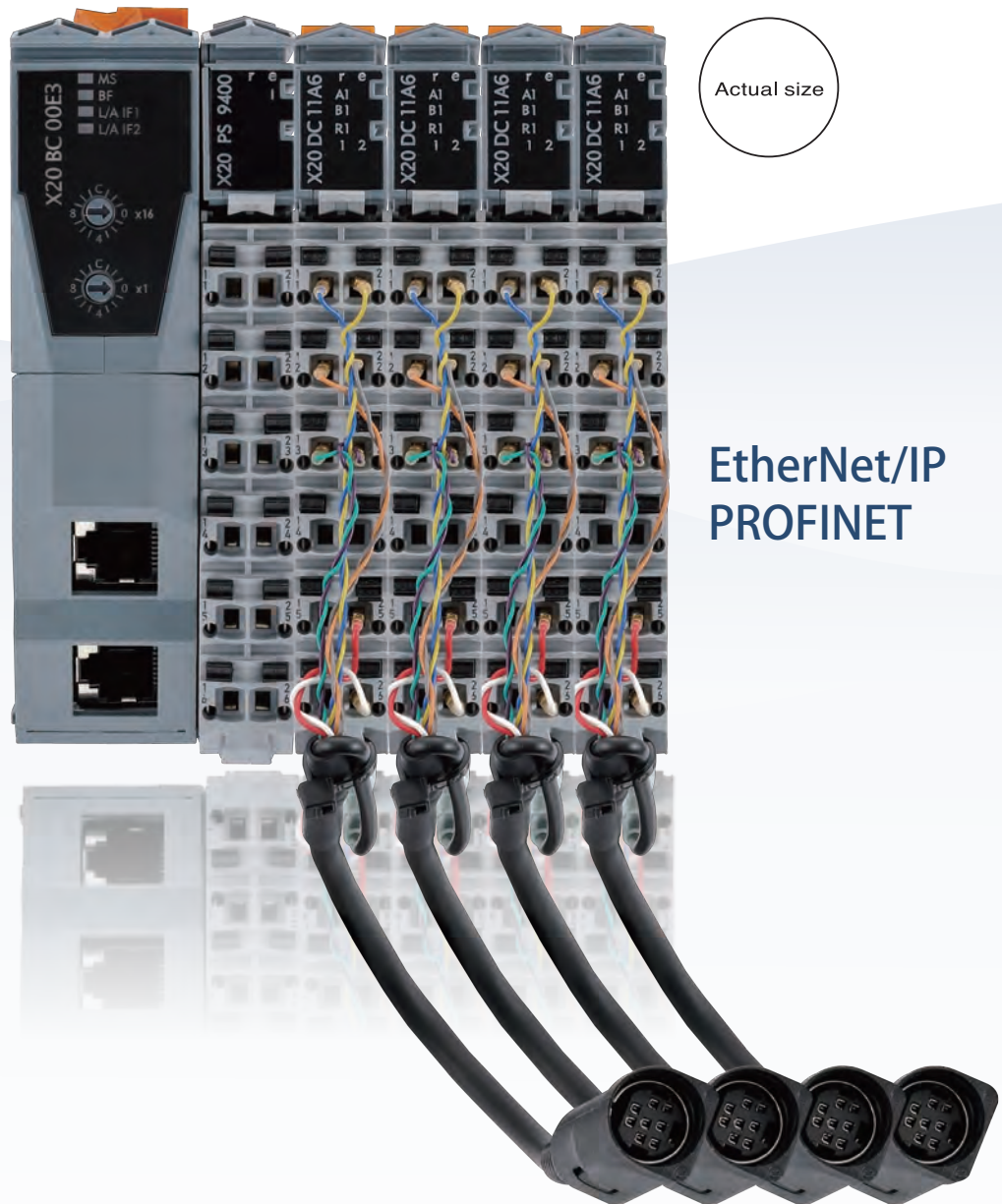
NEW

Main module

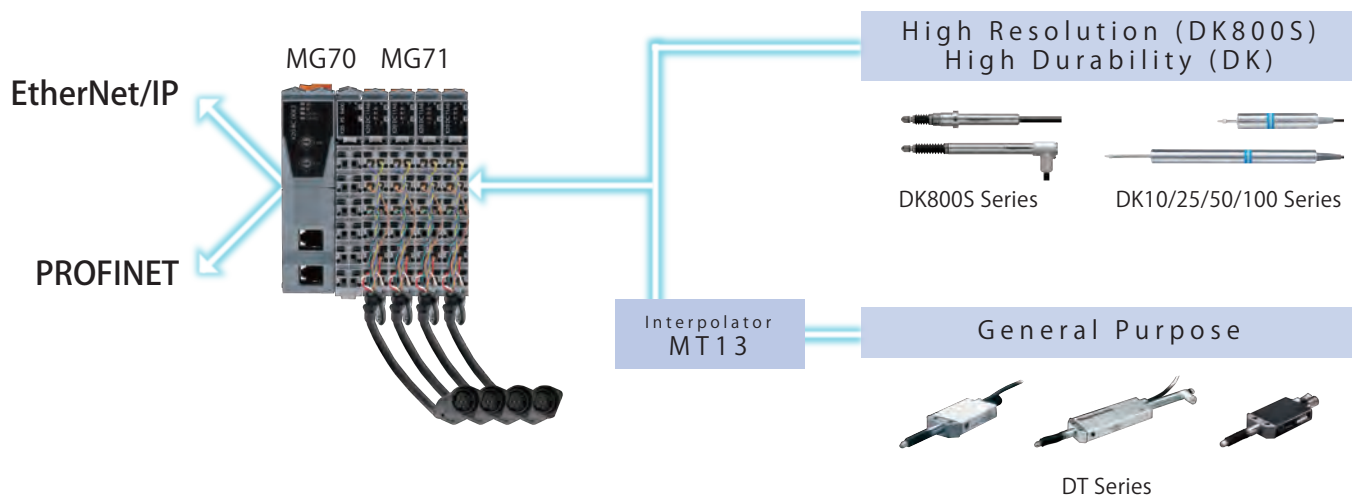
# MG70

Counter module

# MG71



## Configuration



## Specifications

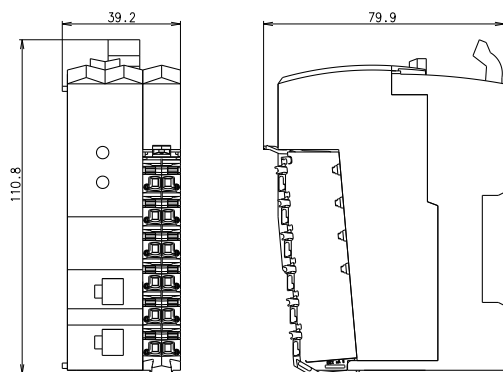
### MG70 Series

| Model Name                               | Main module                                         |             | Counter module                                        |
|------------------------------------------|-----------------------------------------------------|-------------|-------------------------------------------------------|
|                                          | MG70-EI                                             | MG70-PN     | MG71-CM                                               |
| Communication protocol                   | EtherNet/IP                                         | PROFINET RT | Data transferred to main module by dedicated protocol |
| Data transfer speed                      | 10/100Mbps                                          | 100Mbps     | —                                                     |
| Maximum connectable counter modules      | 85 units*                                           |             | —                                                     |
| Maximum connectable gauges               | —                                                   |             | 1 unit                                                |
| Mounting method                          | 35mm DIN rail mounting                              |             |                                                       |
| Power supply voltage                     | 24V DC (20.4 to 28.8V DC)                           |             |                                                       |
| Power consumption                        | 2W or less                                          |             | 1.01W or less                                         |
| Cable length<br>(Communication distance) | Segment length :<br>Max. 100 m between two stations |             | —                                                     |

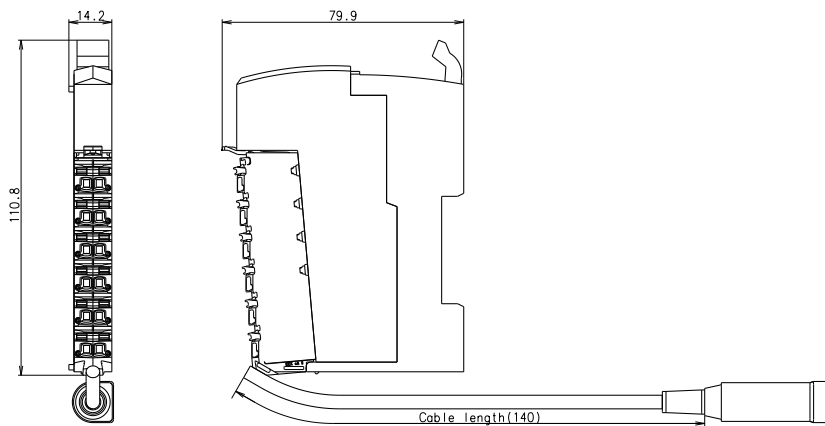
\*This is the maximum number of connection when supplying power by one power supply module. Maximum of 250 units of MG71-CM can be connected by adding power supply modules. Please contact us for connection of MG71-CM more than 86 units.

## Outside dimensions

Main module MG70-EI/MG70-PN



Counter module MG71-CM



⚠ Safety Precautions : To use this product safely, please read the instruction manual carefully prior to usage.

●Magnescale reserves the right to change products and specifications without prior notice

## Magnescale Co., Ltd.

Headquarters : 45 Suzukawa, Isehara-shi, Kanagawa 259-1146, Japan  
 International Sales Department : 45 Suzukawa, Isehara-shi, Kanagawa 259-1146, Japan  
 Magnescale Americas Inc. : 1 Technology Drive, Suite F217, Irvine, CA 92618 USA  
 Magnescale Europe GmbH : Antoniusstrasse 14, 73249 Wernau, Germany  
 Service & Parts : 45 Suzukawa, Isehara-shi, Kanagawa 259-1146, Japan

TEL.+81 (0)463 92 1011 FAX.+81 (0)463 92 1012  
 TEL.+81 (0)463 92 7971 FAX.+81 (0)463 92 7978  
 TEL.+1 (949)727 4017 FAX.+1 (949)727 4047  
 TEL.+49 (0)7153 934 291 FAX.+49 (0)7153 934 299  
 TEL.+81 (0)463 92 2132 FAX.+81 (0)463 92 3090

<http://www.magnescale.com>

The contents of this literature are as of Nov. 2016